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日本國政府

實用新案公報

實用新案出願公告
昭26-1096

公告 昭 26.2.9　出願 昭 24.8.2　實願 昭 24-11916

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せんべい燒成機

圖面の略解

第1圖本案の一部を切截せる正面圖、第2圖本案の一部を切截せる平面圖

實用新案の性質、作用及效果の要領

本案は圖面に示す如く七輪17を載置する樣にした機枠の支柱16, 16, 16に七輪の上方に面して熱鈑14を又此の上部に頂鈑11をそれぞれ取着け支持筒7の下緣を頂鈑11に貫通せるボールトに螺入した切缺を有するナット8の該切缺に係合して止着し下端に壓鈑12を有するラック2を支持筒7及頂鈑11に貫通せしめ支持筒7に軸9着せる扇形齒輪1を前記ラック2に嚙合せしめ且つ該軸9に枢着せるレバー3と扇形齒輪1の要部とを軸10着すると共にレバー3の先端にわ重錘6を設けて成るせんべい燒成機の構造に係るものなり13は燒成するせんべいの合せ型、4はレバー3の一端にあけられた取付穴、5は連絡索。

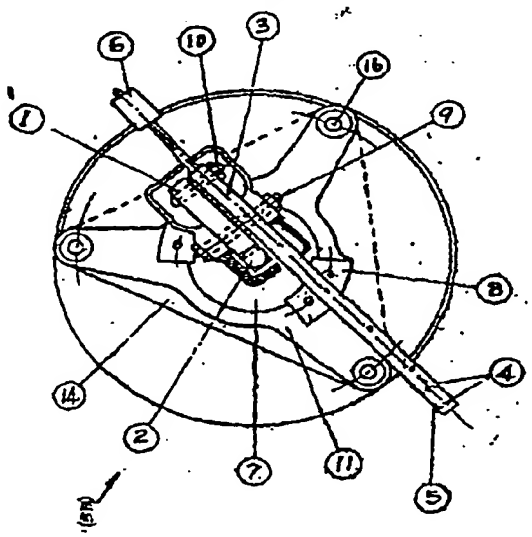
本案わ右記の構造を有するから七輪17に依て加熱された熱鈑14上に於て加熱された合せ型13の中に穀粒其他の原料を入れ、レバー3の一端の連絡穴4に連絡された連絡索5に連なる踏鈑を踏むとレバー3を下方に引張りレバー3に固定された扇形齒輪1わラック2を下方に押し其の下部に取付られた壓鈑2に依て合せ型13は加壓される。

踏鈑より足を離す瞬間重錘6の重力に依りレバー3が上りレバー3に止着された扇形齒輪1に依りラック2を上昇させ壓鈑12の加壓力を一氣に減壓する事に依りせんべいを燒成する。斯の如く本案に於てわ、ラック及梃子原用に依りせんべい燒成の勞力を減じ切缺を有するナット8をゆるめる事に依り支持筒7を廻轉させレバー3の位置を自在に變換して使用者の任意好所なる位置姿勢を可能にする等の效果を有する。

登錄請求の範圍

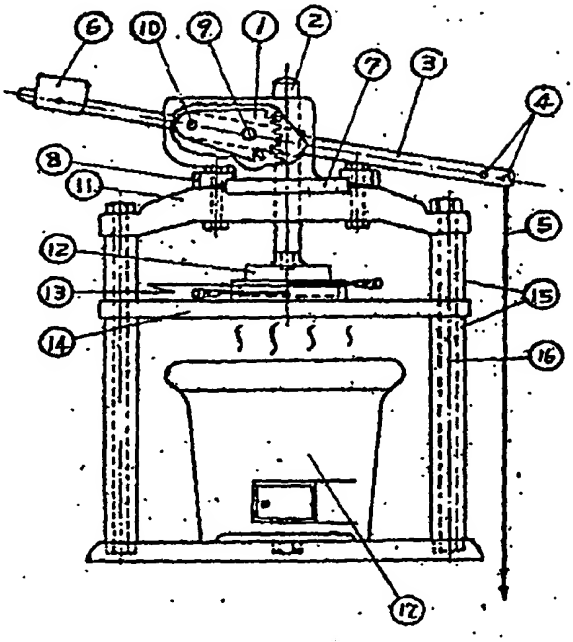
圖面に示す如く七輪17を載置する樣にした機枠の支柱16, 16, 16に七輪の上方に面して熱鈑14を又此の上部に頂鈑11をそれぞれ取着け支持筒7の下緣を頂鈑11に貫通せるボールトに螺入した切缺を有するナット8該切缺に係合して止着し、下端に壓鈑12を有するラック2を支持筒7及頂鈑11に貫通せしめ支持筒7に軸9着せる扇形齒輪1を前記ラック2に嚙合せしめ且つ該軸9に枢着せるレバー3と扇形齒輪1の要部とを軸10着すると共にレバー3の先端には重錘6を設けて成るせんべい燒成機の構造。

第2圖



昭和26年2月9日　東京都千代田區三年町1　特許廳發行　定價金8圓　全2頁

第1圖



Unexamined Utility Model Publication No. 26(1951)-1096

Rice Cracker Baking Device

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a partial front sectional view of the device of the present invention.
Fig. 2 is a partial planar sectional view of the device of the present invention.

DESCRIPTION OF THE INVENTION, ITS OPERATION, AND ITS EFFECTS

As shown in the figures, the device of the present invention is structured as follows. A stove 17 is placed in a frame. A heat plate 14 is placed above said stove 17 by struts 16, 16 and 16. A receiving plate 11 is placed above said heat plate 14. A support cylinder 7 is fixedly secured to receiving plate 11 by engaging the bottom lip of said support cylinder 7 to cutouts in a nut 8 that is mated with a bolt that penetrates said receiving plate 11. A rack 2 having a pressure plate 12 on a lower end thereof is inserted through support cylinder 7 so that it penetrates therethrough as well as through receiving plate 11. A fan-shaped toothed gear 1 mounted on an axis 9, which is provided in support cylinder 7, engages said rack 2. A lever 3 is attached to said axis 9 by said axis penetrating said lever. Said lever 3 is also attached to axis 10, which is the center of rotation for said fan-shaped toothed gear 1, in the same manner. A weight 6 is provided at the distal end of lever 3. In the figure, numeral 13 designates an engaging mold for a rice cracker, 4 designates an attachment aperture opened at one end of lever 3, and 5 designates a rope.

As the present invention is structured as described above, if a pedal is

depressed which is connected to rope 5 that communicates with attachment aperture 4 at one end of lever 3, the lever 3 is pulled downward. This causes fan-shaped toothed gear 1, which is fixedly attached to said lever 3, to push rack 2 downward. The downward motion of said rack 2 causes pressure plate 12 to pressurize engaging mold 13, which has been heated by the stove 17 atop heat plate 14 and filled with cracker ingredients such as grain.

At the moment that the pedal is released by a user's foot, the mass of weight 6 causes lever 3 to rise. This causes fan-shaped toothed gear 1, which is fixedly attached to said lever 3, to raise rack 2, instantly releasing the pressure exerted by pressure plate 12, thereby baking a rice cracker. The present invention, by the use of a rack and a lever, has an effect of reducing the exertion in the baking of a rice cracker. The present invention has an additional effect that the position of lever 3 can be changed as desired by the user by loosening the nut 8 and rotating the support cylinder 7.

CLAIMS

What is claimed is:

A rice cracker baking device having a structure as shown in the figures, in which:

a stove 17 is placed in a frame;

a heat plate 14 is placed above said stove 17 by struts 16, 16 and 16;

a receiving plate 11 is placed above said heat plate 14;

a support cylinder 7 is fixedly secured to receiving plate 11 by engaging the bottom lip of said support cylinder 7 to cutouts in a nut 8 that is mated with a bolt that penetrates said receiving plate 11;

a rack 2 having a pressure plate 12 on a lower end thereof is inserted through support cylinder 7 so that it penetrates therethrough as well as through receiving plate 11;

a fan-shaped toothed gear 1 mounted on an axis 9, which is provided in support cylinder 7, engages said rack 2;

a lever 3 is attached to said axis 9 by said axis penetrating said lever;

said lever 3 is also attached to axis 10, which is the center of rotation for said fan-shaped toothed gear 1, in the same manner; and

a weight 6 is provided at the distal end of lever 3.